

Message Text

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FM SECSTATE WASHDC
TO AMEMBASSY PRAGUE PRIORITY

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FOR SCIENCE OFFICER

E.O. 11652: N/A

TAGS:TGEN, OIML

SUBJECT: USA/CZECHOSLOVAKIAN PROGRAM FOR INTERCOMPARISON
OF TEMPERATURE SENSING PROBES

1. MR. HARDY TROLANDER, PRESIDENT, YELLOW SPRINGS INSTRUMENT COMPANY, AND TECHNICAL ADVISOR FOR A US-ADMINISTERED SECRETARIAT ON TEMPERATURE, WITHIN THE INTERNATIONAL ORGANIZATION OF LEGAL METROLOGY (OIML) RECENTLY COMPLETED PLANS WITH THE CZECHOSLOVAK INSTITUTE OF METROLOGY TO FORWARD TWO YELLOW SPRINGS THERMISTOR TEMPERATURE PROBES TO BRATISLAVA FOR INTERCOMPARISON STUDIES.

2. IN ACCORDANCE WITH AGREEMENT BETWEEN MR. TROLANDER AND HIS CZECH COUNTERPART, ING. BOROVIKA, CHIEF, TEMPERATURE METROLOGY, CZECHOSLOVAK INSTITUTE OF METROLOGY, GEOLOGICKA 1, 834 22 BRATISLAVA, THE TWO THERMISTOR TEMPERATURE PROBES
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ARE TO BE FORWARDED TO ING. BOROVIKA BY JUNE 9, 1978 TO BEGIN THE INTERCOMPARISON PROGRAM.

3. DEPT POUCHED PROBES,WHOSE TOTAL WEIGHT BELOW ONE POUND, TO EMBASSY ON JUNE 7. EMBASSY IS REQUESTED TO CONTACT MR. BOROVIKA AND ARRANGE DELIVERY OF PROBES TO BRATISLAVA AS SOON AS POSSIBLE. MR. BOROVIKA SHOULD BE TOLD THAT

PROBES SHOULD BE RETURNED AS SOON AS POSSIBLE AND THAT DUE CARE SHOULD BE EXERCISED IN PACKING THEM FOR RETURN. U.S. EMBASSY PRAGUE, IS REQUESTED TO RETURN POUCH PROBES TO DEPARTMENT, ATTENTION FRANK LANCETTI, IO/SCT.

4. FOR EMBASSY INFO: THERMISTOR PROBES BEING EMPLOYED IN INTERCOMPARISON STUDY BETWEEN NATIONAL STANDARDS LABORATORIES ARE REPRESENTATIVE OF THOUSANDS OF TEMPERATURE SENSING PROBES PRODUCED OVER PAST TWENTY YEARS FOR TEMPERATURE MEASURING APPLICATIONS IN THE LIFE-ENVIRONMENTAL SCIENCES THROUGHOUT THE WORLD. THEY ARE FREQUENTLY USED IN COLLECTION OF MEDICAL DATA AND OTHER CRITICAL APPLICATIONS AND THUS REQUIRE ACCURATE CALIBRATION. INCREASINGLY, THE NATIONAL STANDARDS LABORATORIES HAVE BECOME INVOLVED IN THIS PROCESS. THUS, THE PURPOSE OF THIS INTERCOMPARISON IS TO DETERMINE DEGREE OF AGREEMENT BETWEEN A NUMBER OF THE PRINCIPAL STANDARDS LABORATORIES IN THEIR CALIBRATION OF THERMISTOR PROBES INVOLVED IN THIS EXERCISE.

5. THE US AND CZECHOSLOVAKIA ARE MEMBERS OF INTERNATIONAL ORGANIZATION OF LEGAL METROLOGY, WHICH HAS BEEN ESTABLISHED BY TREATY. THE PRIMARY PURPOSE OF THE ORGANIZATION IS TO ESTABLISH UNIFORM LAWS AND REGULATIONS COVERING MEASURING INSTRUMENTS THROUGHOUT THE WORLD. THE THERMISTOR PROBE INTERCOMPARISON IS ONE OF BASIC MEANS OF TESTING UNIFORMITY OF MEASUREMENT WITHIN TREATY NATIONS. TEMPERATURE PROBES
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INVOLVED IN THIS INTERCOMPARISON ARE 15 YEARS OLD AND THUS DO NOT EMBODY NEW AND POSSIBLY SENSITIVE TECHNOLOGY. CZECHOSLOVAKIA HAS PRODUCED SIMILAR TEMPERATURE PROBES THROUGHOUT THIS PERIOD. CHRISTOPHER

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